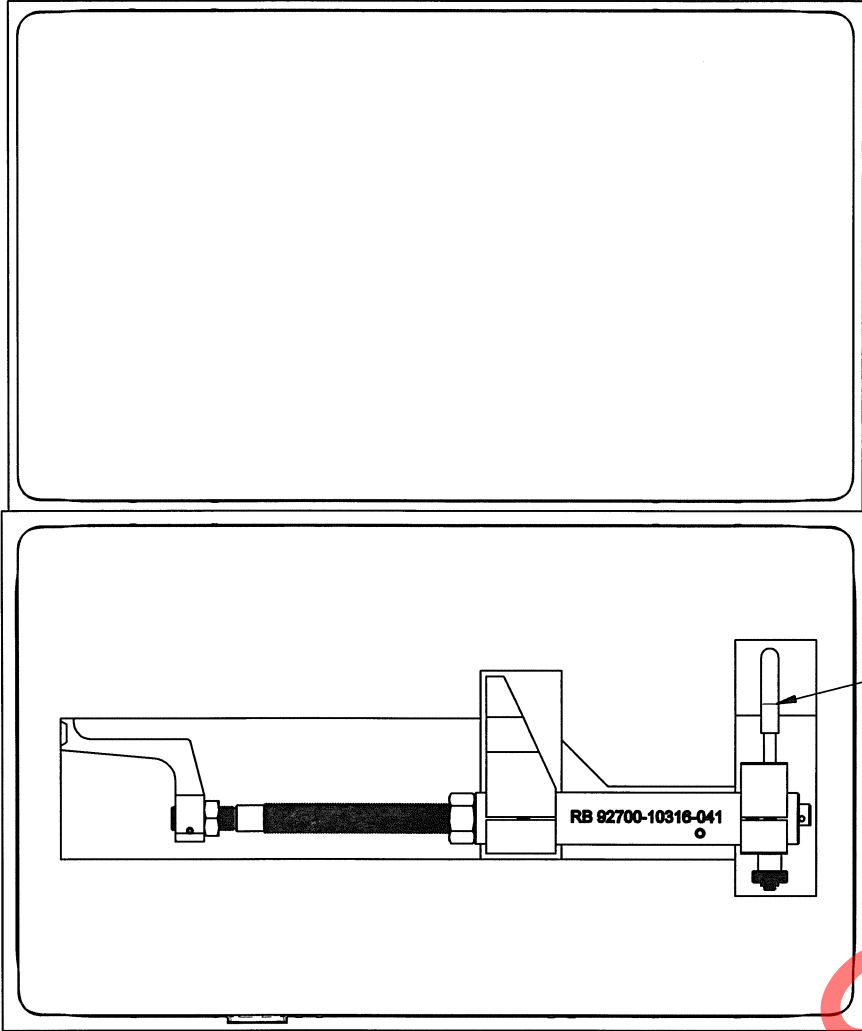


ITEM #	QTY	PART #	PART TITLE
-1	1	RB 92700-10316-041-1	PACKAGING ASSY
-4	1	RB 92700-10316-041-4	HOLDING CLAMP ASSY
14	1	RB41011	DART PLACARD
15	4	McMaster#97524A032 OR EQUIV.	ALUMINUM SEALING BLIND RIVETS 1/8" DIA. X 0.425" LG.

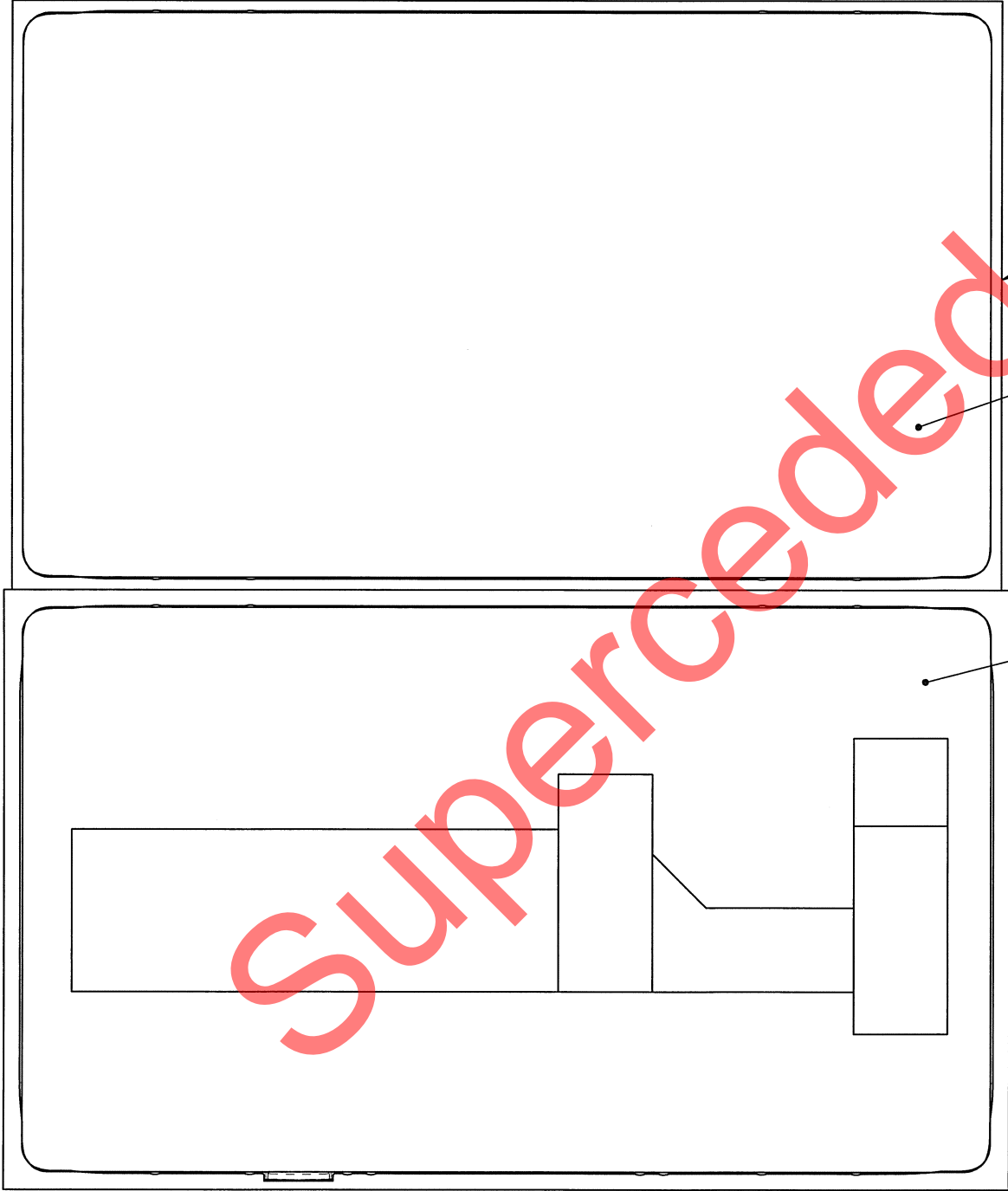


RB 92700-10316-041 HOLDING CLAMP

- NOTES:
- 1) MATERIAL: N/A
  - 2) HEAT TREAT: N/A
  - 3) FINISH: N/A
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: N/A
  - 7) IDENTIFICATION: ENGRAVE THE TOOL P/N & S/N ON THE DART PLACARD WHERE INDICATED
  - 8) INSTALL THE DART PLACARD ONTO THE TOP OF THE CASE IN AVAILABLE AREA USING ALUMINIUM POP RIVETS
  - 9) HOT GLUE THE TOP AND BOTTOM FOAM INTO THE CASE


A	NEW ISSUE	19-524	VM
REV.	DESCRIPTION	ECN #	BY
DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	JFC	RB 92700-10316-041	SHEET 1 OF 14
APPROVED	WY	TITLE	SCALE
		HOLDING CLAMP	NTS
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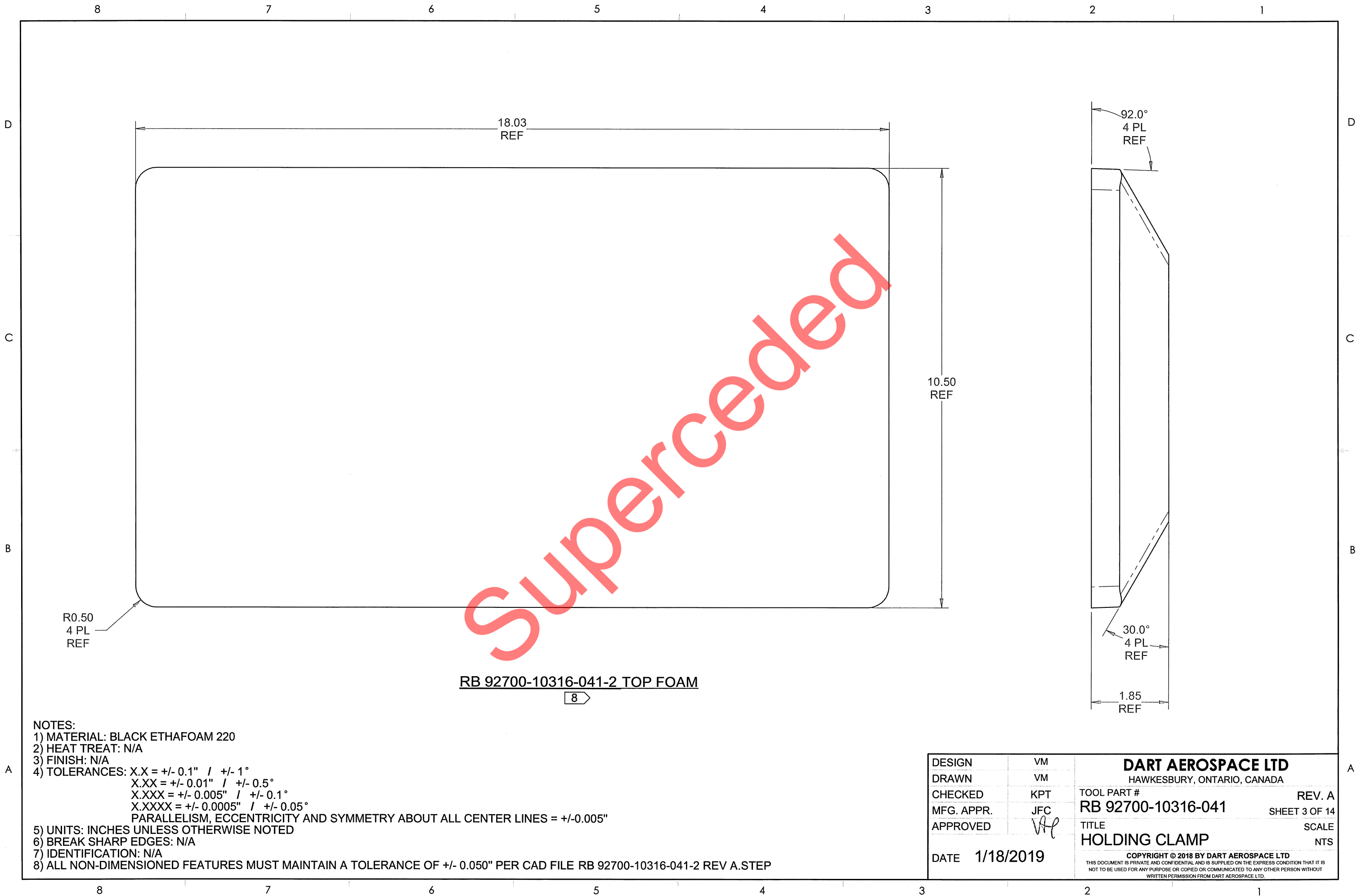
ITEM #	QTY	PART #	PART TITLE
-2	1	RB 92700-10316-041-2	TOP FOAM
-3	1	RB 92700-10316-041-3	BOTTOM FOAM
16	1	PELICAN #APP-1485-E	PELICAN CASE 1485

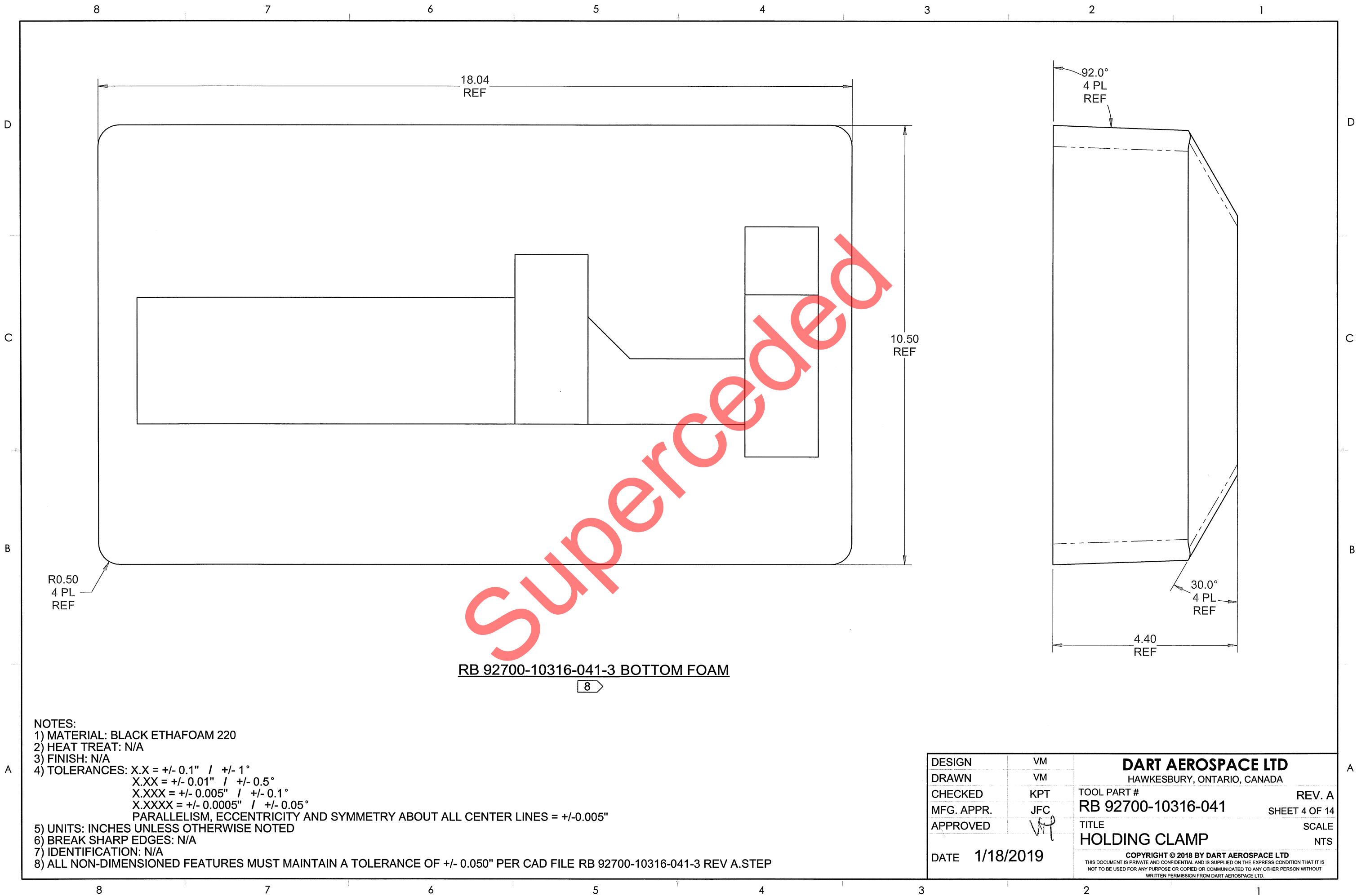


RB 92700-10316-041-1 PACKAGING ASSY

NOTES:  
1) MATERIAL: N/A  
2) HEAT TREAT: N/A  
3) FINISH: N/A  
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
                  X.XX = +/- 0.01" / +/- 0.5°  
                  X.XXX = +/- 0.005" / +/- 0.1°  
                  X.XXXX = +/- 0.0005" / +/- 0.05°  
                  PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"  
5) UNITS: INCHES UNLESS OTHERWISE NOTED  
6) BREAK SHARP EDGES: N/A  
7) IDENTIFICATION: N/A

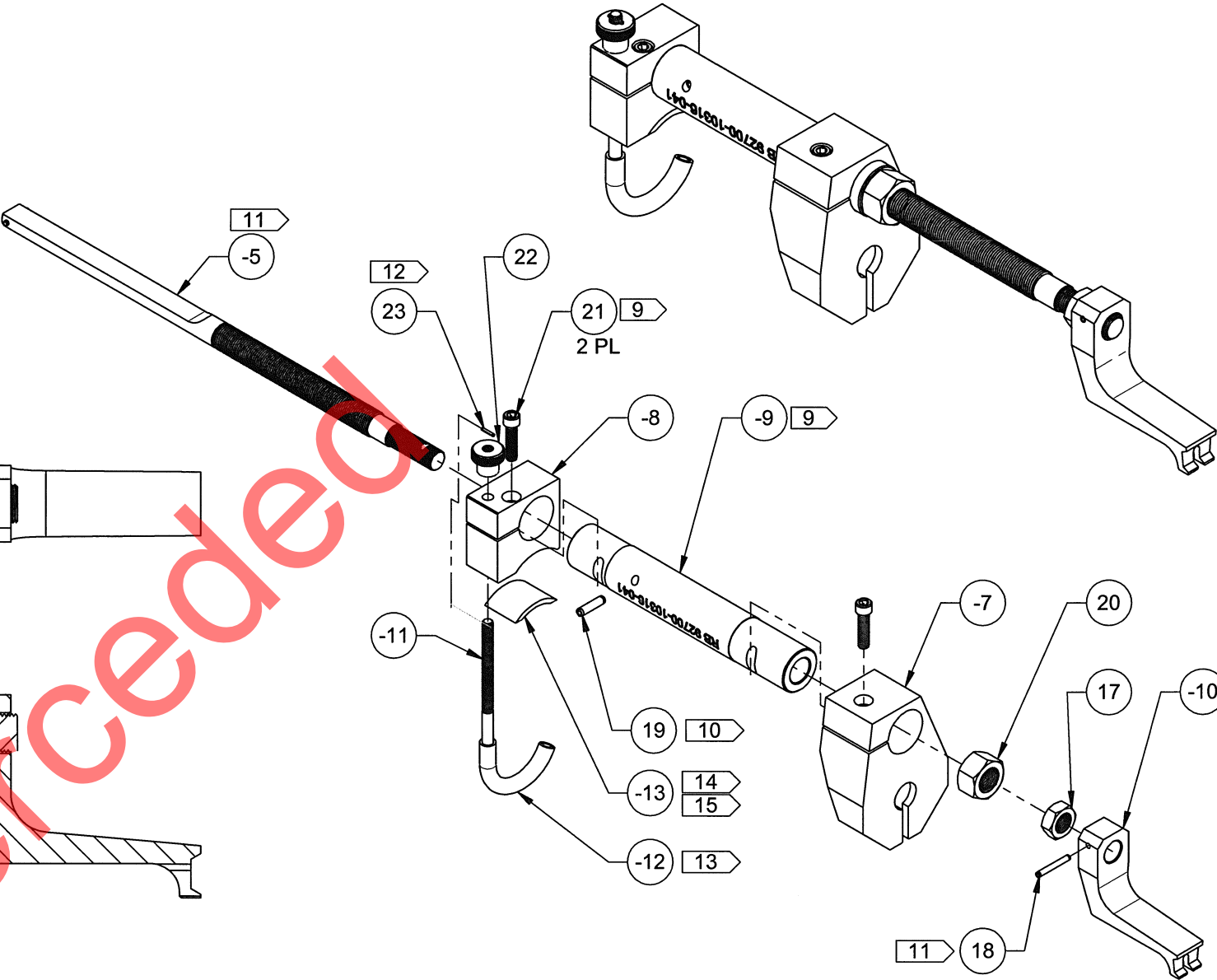
DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	JFC	RB 92700-10316-041	SHEET 2 OF 14
APPROVED		TITLE	SCALE
DATE 1/18/2019		HOLDING CLAMP	NTS
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DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	JFC	RB 92700-10316-041	SHEET 4 OF 14
APPROVED	VP	TITLE	SCALE
		HOLDING CLAMP	NTS
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ITEM #	QTY	PART #	PART TITLE
-5	1	RB 92700-10316-041-5	PIN ASSY
-7	1	RB 92700-10316-041-7	HOLDING CLAMP 1
-8	1	RB 92700-10316-041-8	HOLDING CLAMP 2
-9	1	RB 92700-10316-041-9	HOLDING CLAMP CYLINDER
-10	1	RB 92700-10316-041-10	HOLDING CLAMP END
-11	1	RB 92700-10316-041-11	RETAINER ROD
-12	1	RB 92700-10316-041-12	TUBING
-13	1	RB 92700-10316-041-13	RUBBER PAD
17	1	McMaster#93839A825 OR EQUIV	STEEL THIN HEX NUT 1/2"-20
18	1	McMaster#90692A700 OR EQUIV	STEEL SPRING PIN 1/8" DIA. x 1" LG.
19	1	McMaster#90692A723 OR EQUIV	STEEL SPRING PIN 3/16" DIA. x 3/4" LG.
20	1	McMaster#94895A835 OR EQUIV	STEEL HEX NUT 5/8"-18
21	2	McMaster#91251A542 OR EQUIV	STEEL SOCKET HEAD SCREW 1/4"-20 x 1" LG.
22	1	McMaster#6121K211 OR EQUIV	STEEL KNOB WITH 1/4"-20 THREADED HOLE THRU
23	1	McMaster#90692A082 OR EQUIV	STEEL SPRING DOWEL PIN 1/16" DIA. x 3/8" LG.



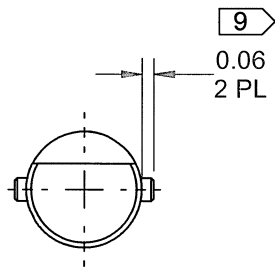
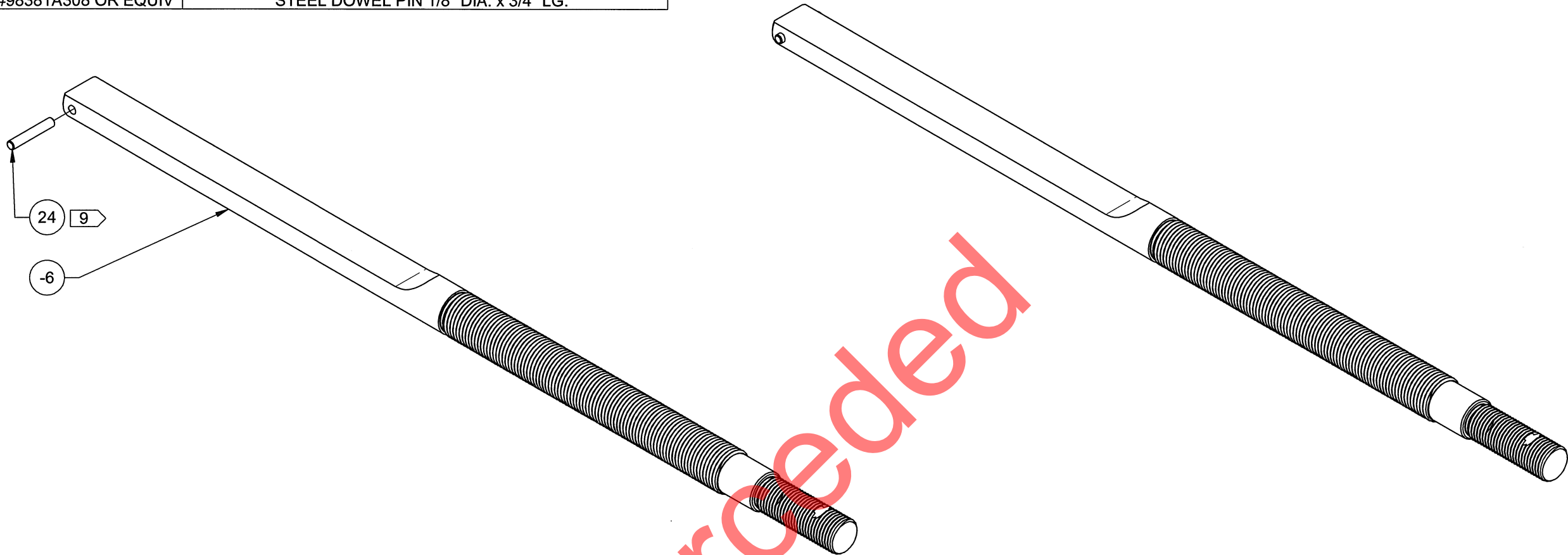
RB 92700-10316-041-4 HOLDING CLAMP ASSY

- NOTES:
- 1) MATERIAL: N/A
  - 2) HEAT TREAT: N/A
  - 3) FINISH: N/A
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: N/A
  - 7) IDENTIFICATION: N/A
  - 8) ASSEMBLE AS SHOWN,
  - 9) ALIGN ITEM -9 SLOTS WITH ITEMS 21 SCREWS, INSTALL ITEMS 21 HAND TIGHT WITH ITEM -9
  - 10) PRESS FIT ITEM 19 CENTERED WITH ITEM -9, ITEM -5 SHOULD SLIDE FREELY
  - 11) ALIGN ITEM -5 SLOT WITH ITEM 18 THEN PRESS FIT ITEM 18 CENTERED WITH ITEM -10 AND ITEM -5
  - 12) ASSEMBLE ITEM -11 WITH ITEM 22, THEN PRESS FIT ITEM 23 CENTERED WITH ITEM -11 AS SHOWN
  - 13) SLIDE ITEM -12 OVER ITEM -11
  - 14) APPLY THE ADHESIVE SIDE OF ITEM -13 ON ITEM -8 AS SHOWN
  - 15) APPLY LOCTITE 495 BETWEEN THE SURFACES OF ITEM -13 AND ITEM -8 IF NECESSARY, AND REMOVE EXCESS
  - 16) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	JFC	<b>RB 92700-10316-041</b>	SHEET 5 OF 14
APPROVED	VP	TITLE	SCALE
		<b>HOLDING CLAMP</b>	NTS
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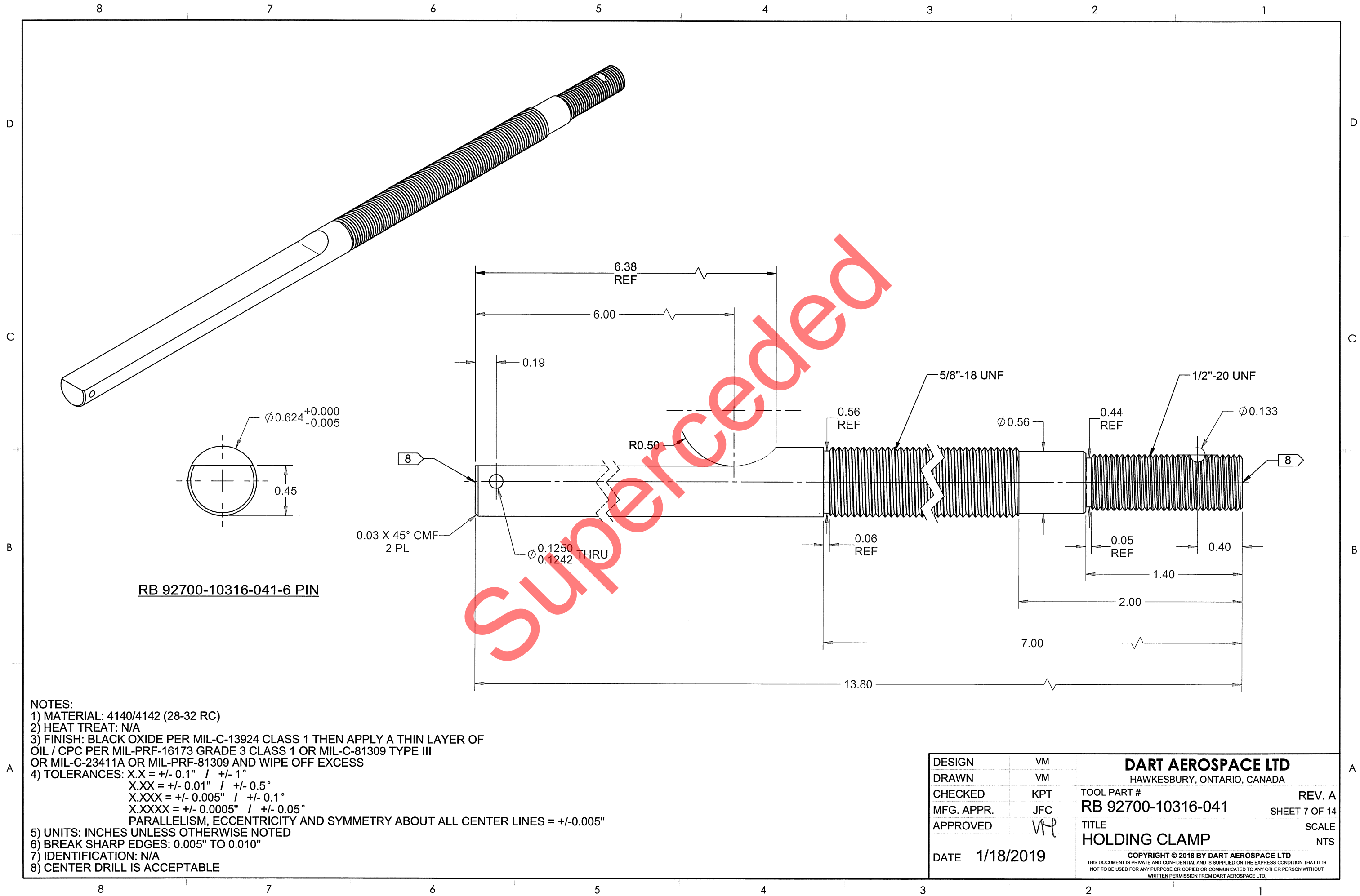
ITEM #	QTY	PART #	PART TITLE
-6	1	RB 92700-10316-041-6	PIN
24	1	McMaster#98381A308 OR EQUIV	STEEL DOWEL PIN 1/8" DIA. x 3/4" LG.



RB 92700-10316-041-5 PIN ASSY

- NOTES:
- 1) MATERIAL: N/A
  - 2) HEAT TREAT: N/A
  - 3) FINISH: N/A
  - 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
  - 5) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 6) BREAK SHARP EDGES: N/A
  - 7) IDENTIFICATION: N/A
  - 8) ASSEMBLE AS SHOWN,
  - 9) APPLY LOCTITE 620 OR EQUIVALENT ON MATING SURFACES THEN PRESS FIT ITEM 24 CENTERED WITH ITEM -6 AND REMOVE EXCESS

DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	JFC	<b>RB 92700-10316-041</b>	SHEET 6 OF 14
APPROVED	VP	TITLE	SCALE
DATE 1/18/2019		<b>HOLDING CLAMP</b>	NTS
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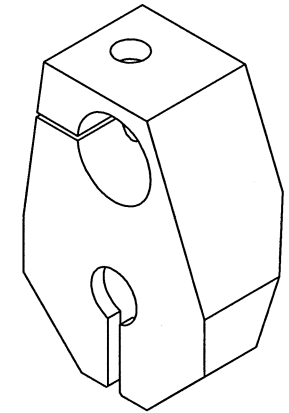
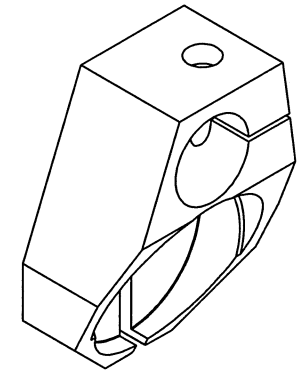
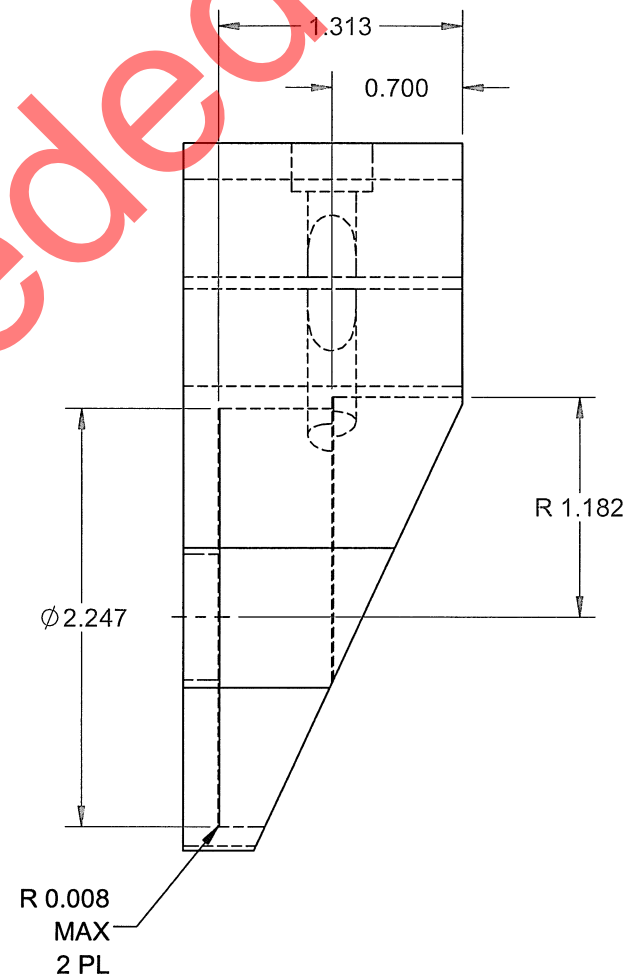
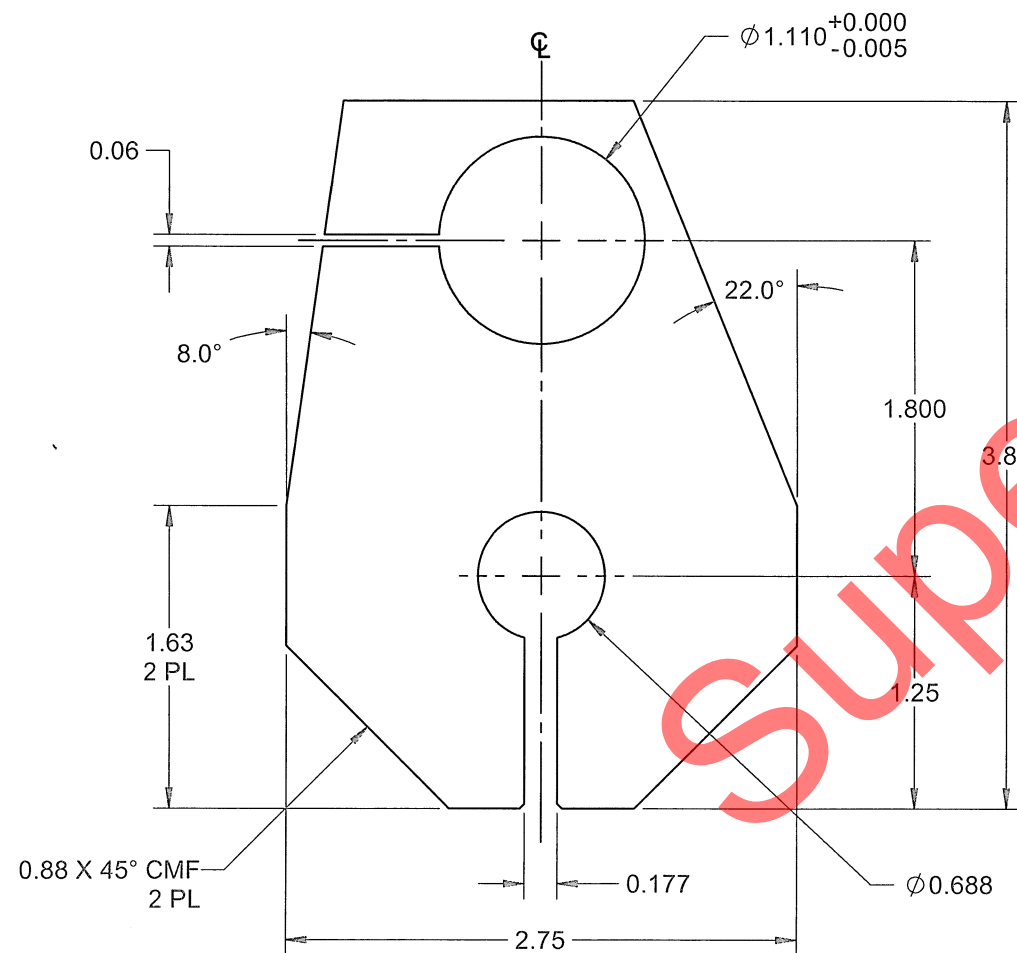
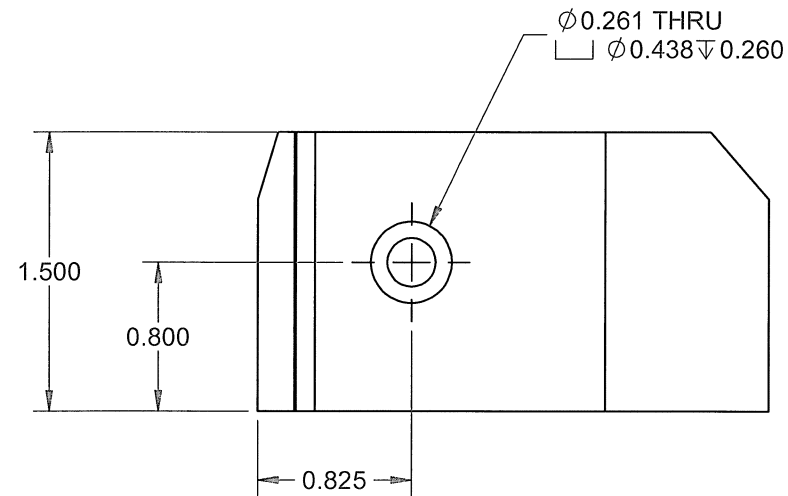
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## NOTES:

1) MATERIAL: 6061-T6 / 7075-T6

2) HEAT TREAT: N/A

3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: 0.005" TO 0.010"

7) IDENTIFICATION: N/A

8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.005" PER CAD FILE RB 92700-10316-041-7 REV A.STEP

RB 92700-10316-041-7 HOLDING CLAMP 1

8

DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	JFC	<b>RB 92700-10316-041</b>	SHEET 8 OF 14
APPROVED	VH	TITLE	SCALE
		<b>HOLDING CLAMP</b>	NTS
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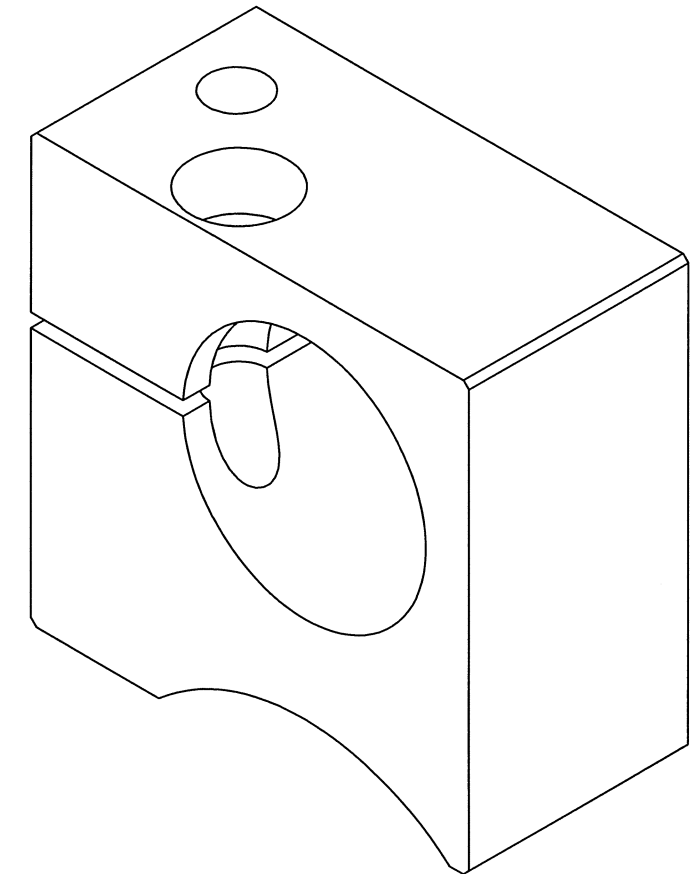
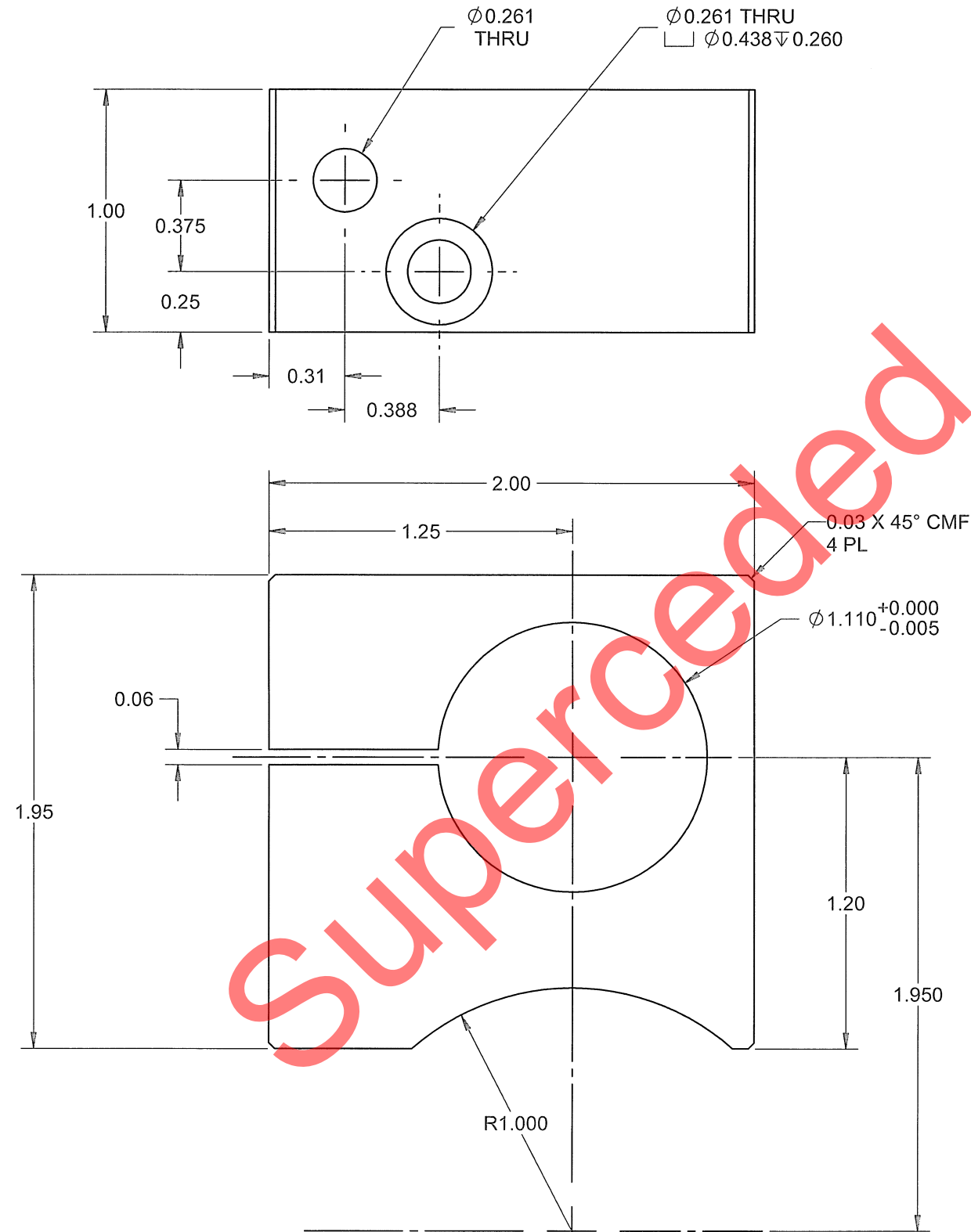
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## NOTES:

1) MATERIAL: 6061-T6 / 7075-T6

2) HEAT TREAT: N/A

3) FINISH: ANODIZE RED PER MIL-A-8625 TYPE 2 CLASS 2

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: 0.005" TO 0.010"

7) IDENTIFICATION: N/A

RB 92700-10316-041-8 HOLDING CLAMP 2

DESIGN	VM	<b>DART AEROSPACE LTD</b>	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	JFC	RB 92700-10316-041	SHEET 9 OF 14
APPROVED	VM	TITLE	SCALE
		HOLDING CLAMP	NTS
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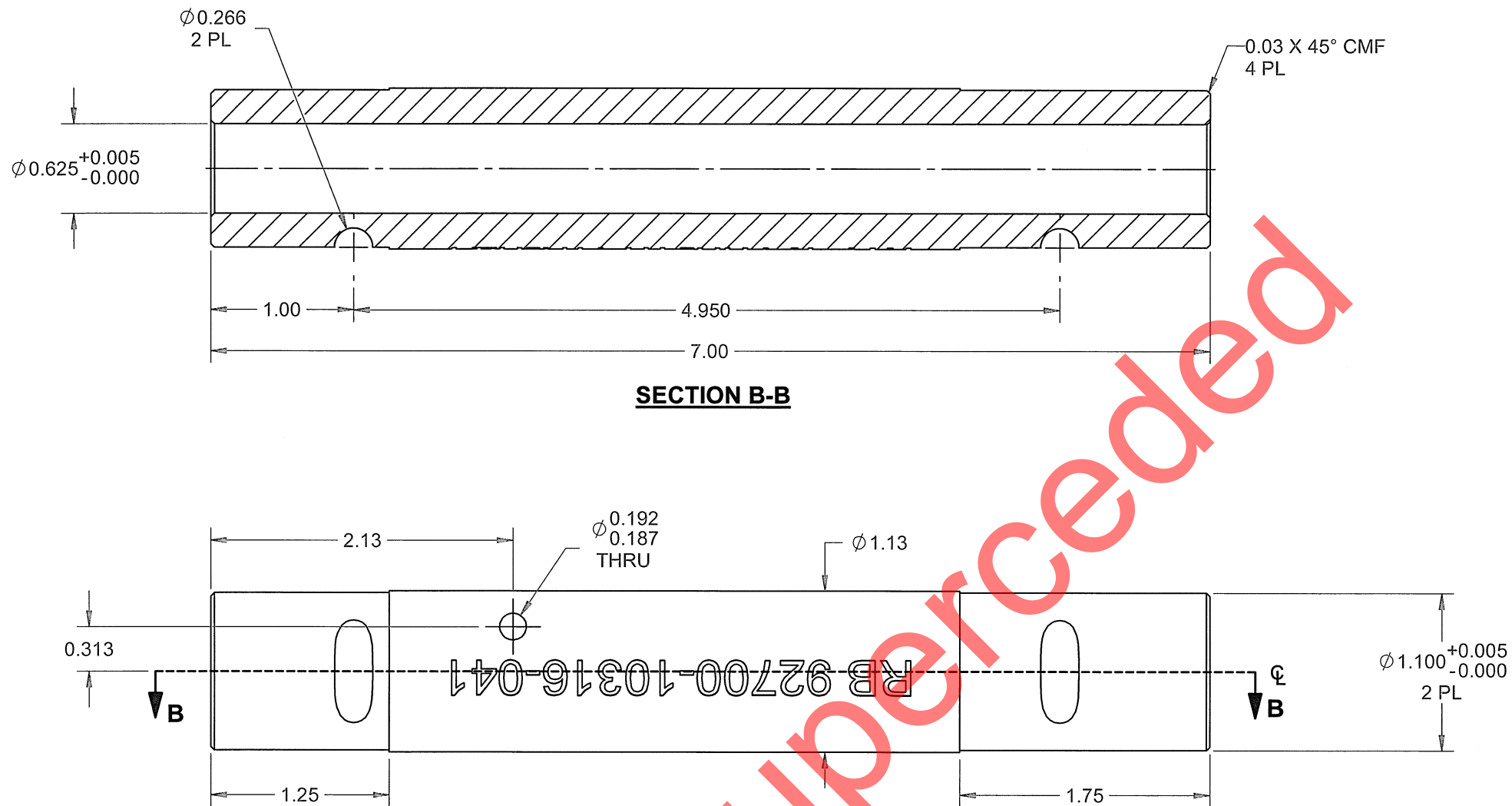
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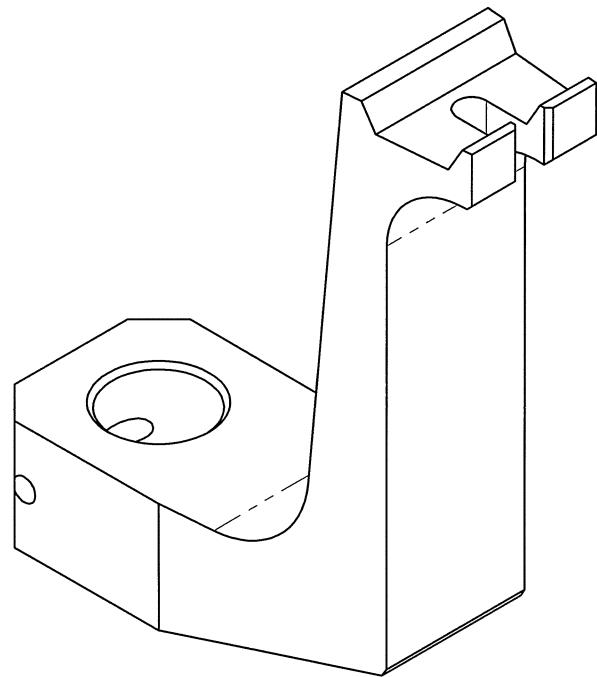
SECTION B-B

RB 92700-10316-041-9 HOLDING CLAMP CYLINDER

## NOTES:

- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK T/N AS SHOWN

DESIGN	VM	<b>DART AEROSPACE LTD</b>	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	JFC	RB 92700-10316-041	SHEET 10 OF 14
APPROVED	WJ	TITLE	SCALE
		HOLDING CLAMP	NTS
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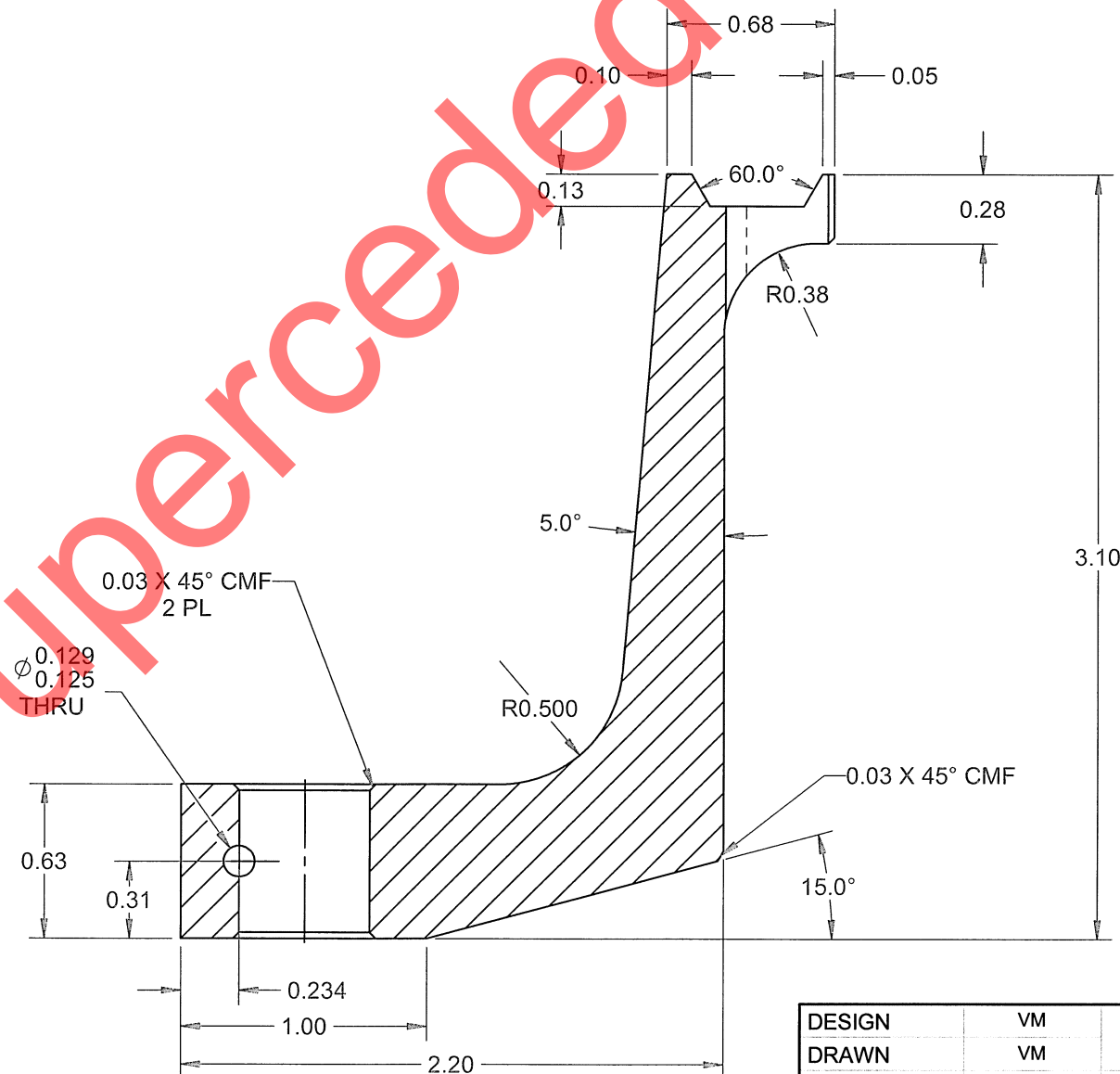
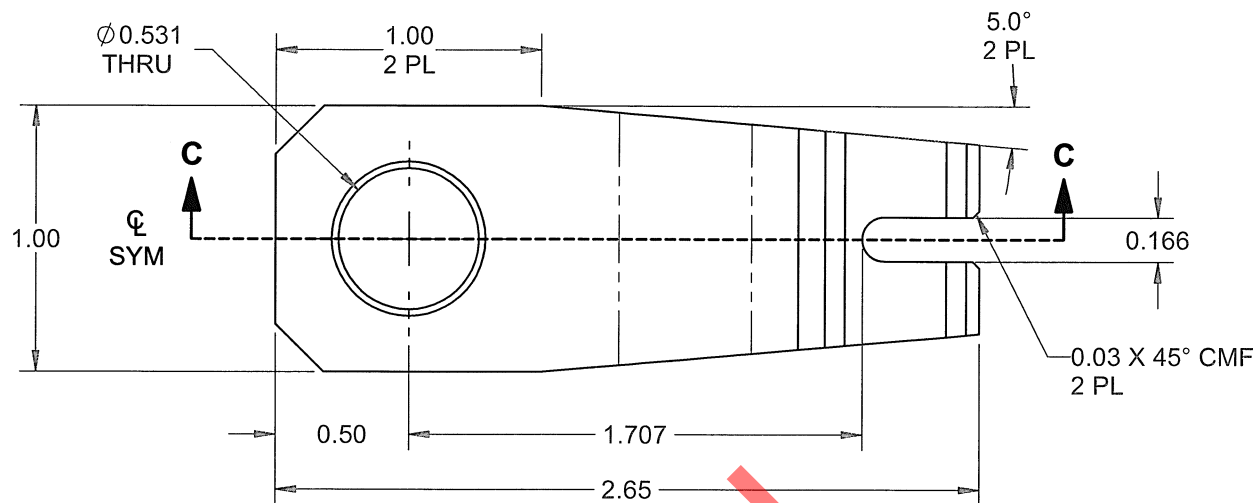


RB 92700-10316-041-10 HOLDING CLAMP END

8

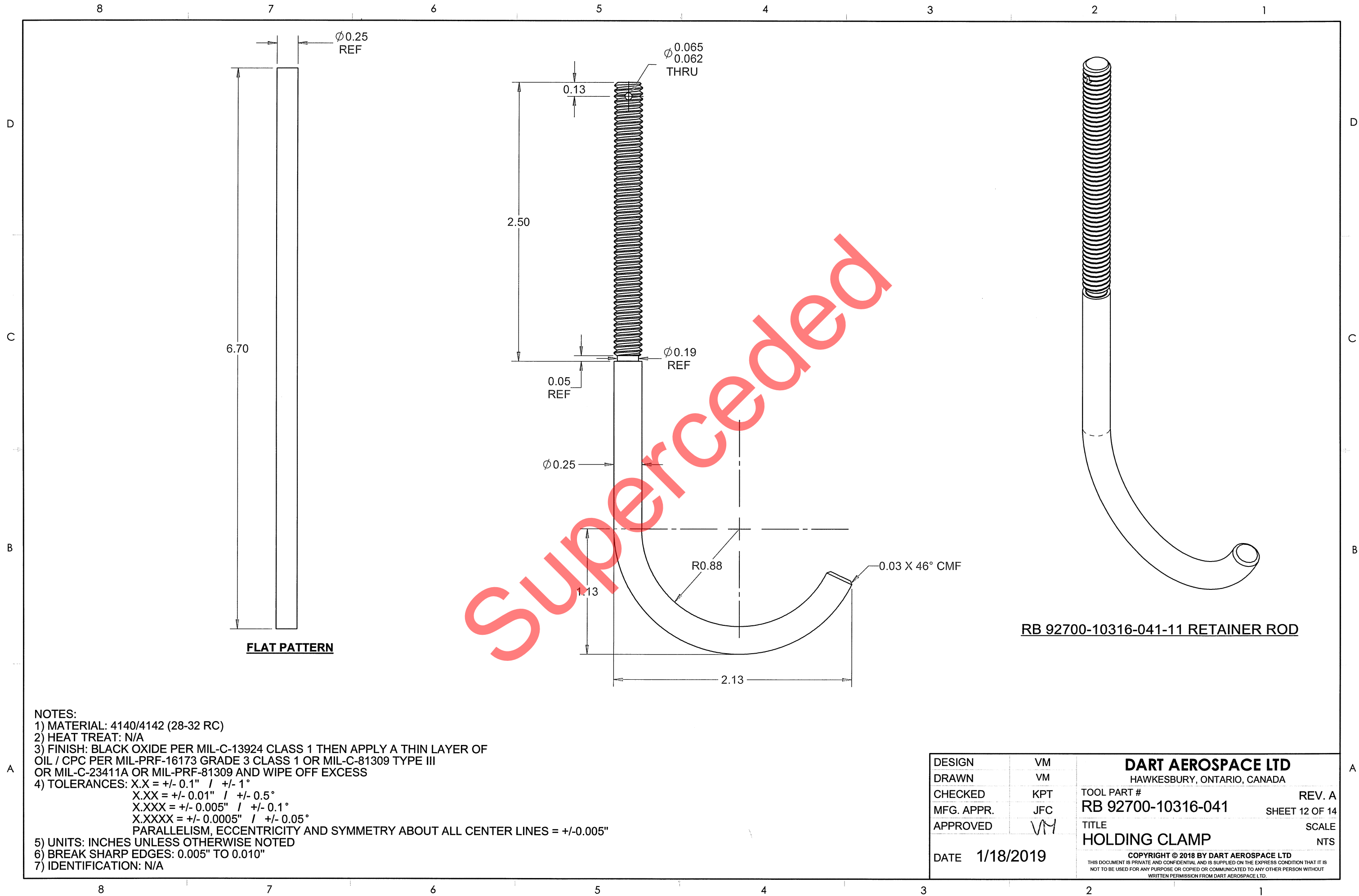
NOTES:

- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: N/A
- 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.005" PER CAD FILE RB 92700-10316-041-10 REV A.STEP



SECTION C-C

DESIGN	VM	<b>DART AEROSPACE LTD</b>	
DRAWN	VM	HAWKESBURY, ONTARIO, CANADA	
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	JFC	<b>RB 92700-10316-041</b>	SHEET 11 OF 14
APPROVED	VM	TITLE	SCALE
		<b>HOLDING CLAMP</b>	NTS
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NOTES:  
1) MATERIAL: 4140/4142 (28-32 RC)  
2) HEAT TREAT: N/A  
3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS  
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
X.XX = +/- 0.01" / +/- 0.5°  
X.XXX = +/- 0.005" / +/- 0.1°  
X.XXXX = +/- 0.0005" / +/- 0.05°  
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"  
5) UNITS: INCHES UNLESS OTHERWISE NOTED  
6) BREAK SHARP EDGES: 0.005" TO 0.010"  
7) IDENTIFICATION: N/A

DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	JFC	RB 92700-10316-041	SHEET 12 OF 14
APPROVED	VM	TITLE	SCALE
DATE 1/18/2019		HOLDING CLAMP	NTS
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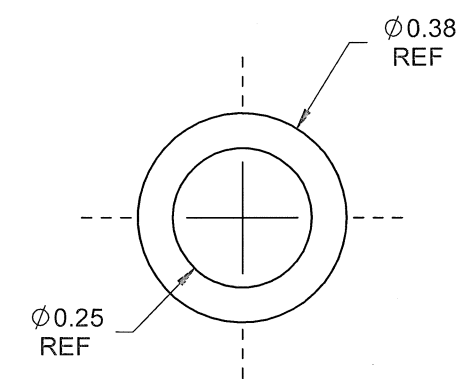
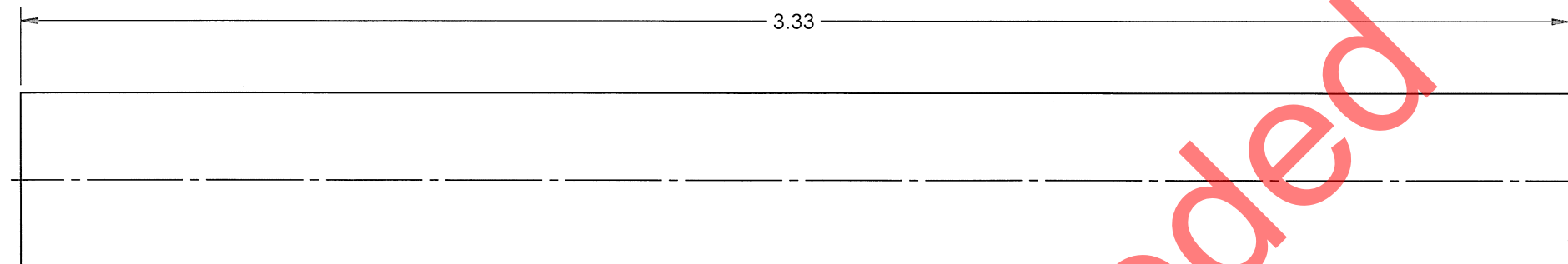
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RB 92700-10316-041-12 TUBING

NOTES:  
1) MATERIAL: McMaster#5737K42 OR EQUIV  
2) HEAT TREAT: N/A  
3) FINISH: N/A  
4) TOLERANCES: X.X = +/- 0.1" / +/- 1°  
                  X.XX = +/- 0.01" / +/- 0.5°  
                  X.XXX = +/- 0.005" / +/- 0.1°  
                  X.XXXX = +/- 0.0005" / +/- 0.05°  
                  PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"  
5) UNITS: INCHES UNLESS OTHERWISE NOTED  
6) BREAK SHARP EDGES: 0.005" TO 0.010"  
7) IDENTIFICATION: N/A

DESIGN	VM	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	VM		
CHECKED	KPT	TOOL PART #	REV. A
MFG. APPR.	JFC	RB 92700-10316-041	SHEET 13 OF 14
APPROVED	VP	TITLE	SCALE
DATE 1/18/2019		HOLDING CLAMP	NTS
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